

AMENDMENTS TO THE CLAIMS

1.- 2. (Previously Canceled)

3.-13. (Canceled)

14.-15. (Previously Canceled)

16. (Currently Amended) A method of producing a nonaqueous secondary battery, comprising the steps of:

assembling a negative electrode, a positive electrode and a separator into a final battery form; ~~and performing the method of producing the solid electrolyte according to claim 3~~

combining an amount of electrolyte solution and an amount of monomer;

introducing the amount of electrolyte solution and the amount of monomer into the final battery form; and

crosslinking the monomer in the presence of the electrolyte such that a first portion of the electrolyte solution forms a gel with the crosslinked polymer and a second portion of the electrolyte forms a separated phase of liquid electrolyte solution.

17. (Previously Amended) The method according to claim 16, wherein in the step of performing the method of producing the electrolyte, the electrolyte is prepared, by dissolving a low molecular weight compound that is polymerizable in the electrolyte solution in advance, and subjecting the resultant solution to polymerization reaction to form a crosslinked polymer.

18. (Original) The method according to claim 17, wherein the degree of crosslinking of the crosslinked polymer is controlled by a combination of a low molecular weight compound having a single reaction point and a low molecular weight compound, which functions as a crosslinking agent, having two or more reaction points.

19. (Original) The method according to claim 18, wherein a homopolymer of the low molecular weight compound having a single reaction point contains a low molecular weight compound that is soluble in the electrolyte solution.

20. (Original) The method according to claim 17, wherein a (meth)acrylate monomer as the polymerizable low molecular weight compound is used.

21. (Original) The method according to claim 18, wherein ethylene dimethacrylate as the low molecular weight compound functioning as crosslinking agent is included.

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| 22. (Canceled).